

530, an air purifier 540, and a humidifier 510. The external devices 510, 520, 530, and 540 that can be controlled by the wireless controller 500 are not limited to those mentioned above, and any device with a function capable of performing wired or wireless communication with the wireless controller 500 may be included in the external devices 510, 520, 530, and 540 that can be controlled by the wireless controller 500.

[0061] As illustrated in FIG. 1, the wireless controller 500 according to a disclosed embodiment may have a plant shape, e.g., may be configured to appear like a plant such as to take the shape of a flowerpot and a leaf growing from the flowerpot. The shape illustrated in FIG. 1 is only one example, and the wireless controller 500 according to a disclosed embodiment may have a shape of a plant such as a flower, a leaf, a stem, and a tree, or have a shape in which the above shapes are combined. For example, similar to a dracaena, a main body 300 may be provided in a shape of a tree, and an indicator 400 may be provided in a shape of a leaf formed on the tree. As mentioned above, the wireless controller 500 according to a disclosed embodiment may be provided in a shape of a nature-friendly plant so that a user may feel familiarity with the plant. In addition, the wireless controller 500 according to a disclosed embodiment uses the plant shape to show an intuitive response corresponding to a user's command or a change in a surrounding environment, such that a user is able to intuitively recognize whether the user's command has been performed or the change in the surrounding environment. This will be described in detail below.

[0062] As illustrated in FIG. 2 and FIG. 3, the wireless controller 500 according to a disclosed embodiment includes the main body 300 formed in the shape of a flowerpot, and the indicator 400 provided at the main body 300 and formed in the shape of a leaf.

[0063] In more detail, the main body 300 may include a voice recognition unit 320 provided to recognize a user's voice, a sensor 330 capable of detecting information such as a temperature or humidity around the wireless controller 500, a control unit 340 controlling the indicator 400 in accordance with the voice recognized in the voice recognition unit 320 and the information detected in the sensor 330 and generating a signal for controlling the external devices 510, 520, 530, and 540, a speaker 350 outputting a sound corresponding to the voice recognized in the voice recognition unit 320 or the information detected in the sensor 330, a main body display unit 310 displaying an image corresponding to the voice recognized in the voice recognition unit 320 or the information detected in the sensor 330, and a communication unit 360 performing communication with the external devices 510, 520, 530, and 540. In addition, the main body 300 may further include an extension terminal provided to connect the main body 300 with the external devices 510, 520, 530, and 540 or an external storage medium, and the like.

[0064] The indicator 400 may include a first indicator 410 provided in the shape of a leaf or a rod and showing a motion corresponding to the voice recognized in the voice recognition unit 320 or the information detected in the sensor 330, and a second indicator 440 provided in the shape of a stem and including a support unit capable of mounting a display device such as a cellphone at an end portion thereof. Alternatively, the second indicator 440 may include a display unit integrally provided with the second indicator 440

together with a mounting stand capable of mounting a display device. In another embodiment, the second indicator 440 may include only the integrally provided display unit without the above-mentioned mounting stand. Hereinafter, a case of including the mounting stand will be described as one example of the second indicator 440.

[0065] The voice recognition unit 320 may include a microphone (not shown) which converts a user's voice signal to an electrical signal and provides the signal to the control unit 340. In addition, the voice recognition unit 320 may further include an amplifier (not shown) which amplifies the electrical signal output by the microphone (not shown). The voice recognition unit 320 may be provided by being embedded in the main body 300, and the microphone which obtains the user's voice may be provided to be exposed at an outer surface of the main body 300.

[0066] The sensor 330 may include various sensors capable of detecting information about the surrounding environment of the wireless controller 500. The sensor 330 may include a temperature sensor capable of detecting a temperature around the wireless controller 500, a humidity sensor capable of detecting humidity around the wireless controller 500, a dust sensor or a gas sensor capable of detecting a quality of air around the wireless controller 500, a luminance sensor capable of detecting brightness around the wireless controller 500, and the like. The above-mentioned types of sensors are only examples, and the wireless controller 500 according to a disclosed embodiment may further include various other types of sensors capable of detecting various information on a space in which the wireless controller 500 is provided.

[0067] The information detected in the sensor 330 may be provided to the control unit 340 to be used in generating a signal for controlling the external devices 510, 520, 530, and 540. For example, the information detected in the temperature sensor or the humidity sensor may be used in generating a signal required for controlling the air conditioner 520 or a dehumidifier, and the information detected in the gas sensor or the dust sensor may be used in generating a signal required for controlling the air purifier 540.

[0068] The speaker 350 may convert an electrical signal generated in the control unit 340 into a voice signal, and further include the amplifier (not shown) which amplifies the electrical signal provided from the control unit 340.

[0069] The communication unit 360 may include a wireless communication module which uses wireless communication methods such as wireless fidelity (W-Fi), Bluetooth, ZigBee, near field communication (NFC), radio frequency (RF) communication, infrared (IR) communication, and the like to perform communication with the external devices 510, 520, 530, and 540. The communication unit 360 transmits the control signal generated in the control unit 340 to the external devices 510, 520, 530, and 540 which correspond to an object to be controlled.

[0070] The first indicator 410 may show various motions. The indicator provided in the shape of a leaf will be described as an example with respect to the various motions shown by the first indicator 410. FIGS. 4 to 7 are views illustrating motions of the first indicator 410 of the wireless controller 500 according to disclosed embodiments.

[0071] Referring to FIG. 4, the stem portion of the first indicator 410 provided in the shape of a leaf may be provided to perform a motion of tilting or being tilted by a predetermined angle in any one direction of directions